

LISTING OF THE CLAIMS

1-37. (Canceled)

38. (Currently amended) An isolated nucleic acid probe of less than 10,000 contiguous nucleotides, wherein the probe hybridizes with a second nucleic acid comprising at least 20 contiguous nucleotides of ~~a sequence selected from the group consisting of:~~

[[a.]] nucleotides 1-115 of SEQ ID NO:8; and

~~b. nucleotides 428-1011 of SEQ ID NO:8;~~

~~and further~~ wherein the hybridization conditions comprise:

- i. overnight incubation at 42°C of a nucleic acid blot with the probe;
- ii. washing of the blot at room temperature with [[2x]] 0.5x SSC and 1% Na₄P₂O₂;
- iii. washing of the blot at 65°C with 0.2x SSC, 1% SDS, and 1% Na₄P₂O₂; and
- iv. washing of the blot with 0.2x SSC at room temperature.

39-40. (Canceled)

41. (Previously presented) A complement of the isolated nucleic acid probe of claim 38.

42. (New) An isolated nucleic acid probe of less than 10,000 contiguous nucleotides, wherein the probe hybridizes with a second nucleic acid comprising at least 20 contiguous nucleotides of nucleotides 428-1011 of SEQ ID NO:8; and the hybridization conditions comprise:

- i. overnight incubation at 42°C of a nucleic acid blot with the probe;
- ii. washing of the blot at room temperature with 2x SSC and 1% Na₄P₂O₂;
- iii. washing of the blot at 65°C with 0.2x SSC, 1% SDS, and 1% Na₄P₂O₂; and
- iv. washing of the blot with 0.2x SSC at room temperature.

43. (New) A complement of the isolated nucleic acid probe of claim 42.